

Name: _____ Date: _____ Period: _____

Exponents

Write the following expressions in expanded form without exponents.

1. 9^3

2. $(-3)^4$

Write the following expressions in exponential form using exponents.

3. $6 \cdot 6 \cdot 6 \cdot 6 \cdot 6$

4. $b \cdot b$

Evaluate the following expressions.

5. 1^7

6. 2^3

7. 18^0

8. 3^1

9. 5^3

10. 10^4

11. 4^3

12. 19^2

13. Write the following numbers in the box in order from least to greatest. Show all your work.

$$-3, \quad \sqrt{9}, \quad 2^3, \quad 1^5, \quad -|2|$$

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LEAST



GREATEST

14. Explain which is larger. How can you tell? 2^3 *or* $|-9|$
